Satyam Pandey

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Summary

Software Engineer with 2 years of experience in developing scalable applications and AI-powered systems. Skilled in Angular-based UI, data engineering with Python and Spark, and designing multi-agent RAG solutions. Experienced in building secure, accessible, and cloud-native platforms across distributed environments.

Work Experience

Software Engineer II   April 2025 – Present
MAQ Software

- Developed and maintained **Angular-based UI features** and **custom components** using **Syncfusion libraries** to deliver **dynamic and accessible interfaces**.
- **Led front-end accessibility efforts** to ensure **WCAG/ADA compliance** across the application, **significantly improving usability** for all users.
- Designed and implemented a **modular AI-powered data agent solution** that integrates with existing **SQL Lakehouse** and **Power BI semantic models** to deliver **query-based insights and visualizations**.
- **Architected and implemented a multi-agent framework** including **SQL/DAX query generator, evaluator, metadata enricher, query suggestor, and pruner agents** to drive **precise and relevant analytics responses**.

Software Engineer I   August 2023 – March 2025
MAQ Software

- **Led a team of five to develop an advanced RAG-based AI chatbot**, providing accurate natural language responses and helping over **80K users**.
- **Built scalable data pipelines using Python and Spark**, handling structured and unstructured data with a precision of more than **90%** and integrating them into a vector search index.
- **Implemented prompt optimization and Responsible AI techniques**, including intent classifiers and safety filters, achieving **95%+ compliance**.
- **Designed multi-region deployment and persistent session features** using Docker, high availability architecture, and real-time chat synchronization.

Associate Software Engineer   February 2023 – July 2023
MAQ Software

- Created and optimized **databases and stored procedures** in **SQL Server** to improve data integrity and performance.
- Developed **ETL pipelines** using **SSIS** for data consolidation across multiple sources.
- Diagnosed and resolved issues in **SQL Server and SSIS**, improving system stability and efficiency.

Education

B.Tech in Information Technology   2019–2023
International Institute of Information Technology, Bhubaneswar   **GPA**: 7.72

Technical Skills

Programming: Python, C#, C++, Java, SQL, JavaScript
Frameworks: Angular, FastAPI, Spark, Semantic Kernel, .NET, React, Syncfusion
DevOps & Tools: Docker, CI/CD, Databricks, Snowflake, SSIS, Git
Cloud & Databases: Azure, SQL Lakehouse, Vector DBs, Cloud-Based AI Services, SQL Server

Accomplishments

- Knight at LeetCode (**Rated 1972, Top 3% globally**).
- Secured Global Rank 58 in CodeChef Starters 56 Division 2
- Achieved Rank 415 in LeetCode Biweekly Contest.
- Solved more than **1500 programming problems** on platforms such as LeetCode, GFG, and CodeChef.

Certifications

- **Microsoft Certified: Azure AI Engineer Associate**
- **Microsoft Certified: Azure Developer Associate**
- **Databricks Certified Data Engineer Associate**
- **SnowPro Core Certification**